

# CTS

**CENTRE TANK**  
SERVICES LTD

Solutions for diesel,  
oil, AdBlue® & water tanks



# CTS TANK ALARM RANGE

**Multi & Single Channel Level Alerts**

> High Level

> Low Level

> Bund Alert

## CTS - THE TANK MANUFACTURERS' CHOICE

Centre Tank Services Ltd have been supplying the trade with fuel dispensing, storage tank, AdBlue® and lubrication equipment since their incorporation in 1987. Over the last 35 years, CTS have built a trusted reputation within the market for quality products, excellent stockholding and great customer service. This has seen us become the chosen supplier of most tank manufacturers in the UK.

As well as our industry leading, inhouse designed tank alarm range, CTS are also stockists of many large brands of fluid handling equipment. We are the UK exclusive importers of Italian manufacturer Piusi, US made Husky nozzles and American filter range GoldenRod.



## WHY CHOOSE CTS AS YOUR SUPPLIER....

We have customers in over 75 countries worldwide, with a client base spanning every continent. Our core customer base is made up of resellers and OEMs including tank manufacturers, forecourt engineers, agricultural merchants, hydraulic companies, fuel distributors, heating and plumbing merchants and general industrial suppliers to name a few. Below is just a snippet of what you can expect from Centre Tank Services' customer support and service:

- ✔ A competitive reseller pricing structure and access to special prices.
- ✔ Goods available for immediate dispatch from our 14,000 sq ft. warehouse.
- ✔ Marketing and sales support including branded promotional literature.
- ✔ Technical pre-sale product selection advice and post sale product support.
- ✔ 35 years of industry experience in fluid handling in UK and international markets.
- ✔ Bespoke designed pump kits for your tank requirements.
- ✔ Designated account manager for handling any out of usual day to day business.

## QUALITY STANDARDS ARE ESSENTIAL TO OUR BUSINESS....

Quality standards are essential to our business and we set very high standards in the way that we operate. Centre Tank Services have achieved full ISO 9001 accreditation following the audit of our internal systems and procedures.

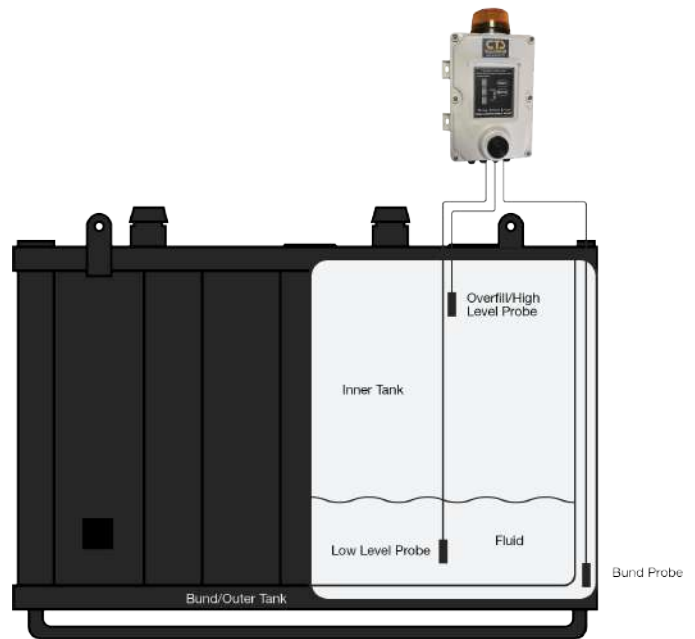
We are also members of OFTEC, the Federation of Petroleum Supplies, the Petroleum Equipment Installers & Maintenance Federation and the Association for Petroleum and Explosives Administration.



## THE ORIGINAL CTS FUEL TANK ALARM Where it all started....

Centre Tank Services have been suppliers to the fluid handling and fuel storage industry for almost 35 years. Designed in-house using our specialist expertise in the fuel storage market's requirements, the CTS multi-zone tank alarm was originally developed for use on commercial diesel tanks to accurately detect and alert the user of the fuel reaching the set high or low level.

The CTS tank alarm is now the leading solution for level alert amongst UK fuel tank manufacturers and engineers within the industry, and is well recognised on refuelling tanks used in the haulage, construction and agricultural markets.



## INDUSTRIES & APPLICATIONS More than just for diesel....

Whilst commercial diesel refuelling tanks were the initial purpose for which the CTS tank level alarms were developed, the applications they are now used for are unlimited.

Provided that the probe/level switch is compatible with the fluid in question, then the CTS alarm will be a suitable solution for alerting the user that the set level zone has been activated on almost any type of fluid storage tank.



## APPLICATIONS WE SUPPLY TANK ALARMS FOR:

- › Diesel refuelling
- › Generator feed tanks
- › Water tanks
- › Waste oil containers
- › Chemical storage
- › AdBlue® tanks
- › And more...



# CTS Tank Alarms / Alarm Probes

Single Probe



Double Probe



## Single/Double

PROBES

See pages 4-7 for alarm boxes

RELATED PRODUCTS



## Fuel Tank Alarm Probes

The CTS fuel tank alarm probes are designed for use with the industry renowned CTS alarms to accurately detect and alert the user of one, a combination, or all of the following tank states:

- > **High fuel level** to help avoid further filling of the tank and an overspill from occurring
- > **Low fuel level** to indicate that stock is running out and a fuel delivery needs to be ordered
- > **Bund alert** to warn that fluid is present in the double wall compartment which may indicate a leak or rain water build up
- > As standard, these probes are designed for installation onto steel tanks, for plastic tanks the plastic tank kit is also required

Code	Description	Alerts	Construction	Cable	Temp	Connection	Fluids
SWS1035	Single Fuel Tank Alarm Probe	High or Low or Bund	Buna, nylon & stainless steel	5m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/9	9m Single Probe For Larger Tanks	High or Low or Bund	Buna, nylon & stainless steel	9m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/2	Double Fuel Tank Alarm Probe	High & Low	Buna, nylon & stainless steel	5m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/2/9	9m Double Probe For Larger Tanks	High & Low	Buna, nylon & stainless steel	9m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1036	Plastic Tank Kit - For Single Probe						AF
SWS1037	Plastic Tank Kit - For Double Probe						AF
SWS1111	Alarm Cable Per Metre			1m PVC			AF

Water & Chemical

Oil Drum



High viscosity

## Single

PROBES

See page 4-7 for alarm boxes

RELATED PRODUCTS



## Alarm Probes for Other Fluids

### Water & Chemical Probe

- > Single probe for high or low level alerts on water & chemical tanks
- > Please note: Chemical compatibility should be checked

### High Viscosity Probe

- > Single probe for high or low level alerts on tanks containing thick fluids and heavy fuel oils
- > For high level also suitable for liquids that crystallise e.g. AdBlue®

### Oil Drum Probe

- > Single probe for alerting of a high oil level in a drum
- > Designed specifically for waste oil storage systems when the user needs to be aware when the container needs to be emptied

Code	Description	Alerts	Construction	Cable	Temp	Connection	Fluids
SWS1040	Water & Chemical Probe	High or Low	Polyprop body & PE weight	5m PVC	-20°C/+80°C	1 ½" F BSP Polyethylene Cap	W C
SWS1038	High Viscosity Probe	High or Low	Polyprop	5m PVC	0°C/+60°C	1 ½" F BSP Brass Cap	O AB
SWS1039	Oil Drum Probe	High	Buna, nylon & polyprop	5m PVC	-20°C/+80°C	¾" M BSPT Steel Drum	O
SWS1036	Plastic Tank Kit - For Single Probe						AF
SWS1037	Plastic Tank Kit - For Double Probe						AF
SWS1009	Alarm Cable Per Metre			1m PVC			AF



ANY FLUID

## Mains Multi-Channel Tank Alarm

- › Mains multi-channel tank alarm for alerting of a combination or all of the following tank states: high, low and/or bund/double wall
- › 85db sounder & flashing orange strobe to warn of a problem
- › Zone in question lights up on the screen to show activated state
- › Test and alarm mute functions to silence sounder when issue has been acknowledged
- › Automatically reversed float logic for low zones
- › Weatherproof IP55 enclosure with captive screws
- › Standard box with multiple input voltages 110v/230v, 12v/24v DC
- › External mounting lugs for easier installation onto a wall or tank
- › Option with relays to connect to external equipment e.g. other alarms or building management systems for remote monitoring
- › Version with relays can also be used to control the pump operation on a day tank e.g. to turn it on when tank contents are low until the high level is reached
- › **Please note: Probes are purchased seperately, please select the ones you require from the opposite page's table**

Code	Description	V	Relays	Zones	Fluids
SWS2000	Mains Multi-Compartment Alarm Box	110/230/12v/24v		Multi - High/Low/Bund	AF
SWS2001	Mains Multi-Compartment Alarm Box c/w Relays	110/230/12v/24v	3	Multi - High/Low/Bund	AF

Multi

ZONES

Electric

POWER

See page 3 for probes

RELATED PRODUCTS



PUMPS

FMS

METERS

HOSES

NOZZLES

ALARMS

GAUGES

FILTERS

FILL & VENT

VALVES

FITTINGS

TOOLS

ANY FLUID

## Battery Multi-Channel Tank Alarm

- › Battery multi-channel tank alarm for alerting of a combination or all of the following tank states: high, low and/or bund/double wall
- › Designed for isolated or portable installations where mains power is unavailable
- › 85db sounder and flashing red LED to warn of a problem
- › Zone in question lights up on the screen to clearly indicate the activated tank state
- › Test and alarm mute functions to silence sounder when issue has been acknowledged
- › Low battery warning - will sound a single beep every minute
- › Automatically reversed float logic for low zones
- › Weatherproof IP55 enclosure with captive screws
- › External mounting lugs for easier installation onto a wall or tank
- › Option with relays to connect to external equipment e.g. other alarms or building management systems for remote monitoring
- › **Please note: Probes are purchased seperately, please select the ones you require from the opposite page's table**

Code	Description	Batteries	Relays	Zones	Fluids
SWS1000	Battery Multi-Compartment Alarm Box	6 x AA		Multi - High/Low/Bund	AF
SWS1001	Battery Multi-Compartment Alarm Box c/w Relays	6 x AA	3	Multi - High/Low/Bund	AF

Multi

ZONES

Battery

POWER

See page 3 for probes

RELATED PRODUCTS



ANY  
FLUID

# Sophisticated Tank Monitoring For When Only One Alert Is Required with the CTS Single Channel Fuel Tank Alarm



## CTS Single Channel Tank Alarm

Designed for when only one alert is required, the CTS Single Channel Tank Alarm is a sophisticated and flexible alternative to our Economy tank alarm models.

Choose to identify and warn of either a high level, low level or fluid in the bund. Once activated the alarm will sound as well as display the name of the activated tank state on the descriptive red LED text display, so that the user can clearly see what the problem is.

### Single channel tank alarm

Choose to warn of either a high level, low level or fluid in the bund depending upon the users' requirements.

### 90db sounder and red LED text display

Alarm and descriptive text to clearly warn of what the activated tank state is so that the user knows how to take action. Also has test and alarm mute options.

### Automatically reversed float logic

For low channels so the alarm is ready for use again once the fluid level has increased.

### Weatherproof enclosure

IP55 rated enclosure with 4 external mounting lugs.

### Various mains power options

Mains and mains with battery back up versions available for the event of a power cut.

### Comes with relay connection

Connect to external equipment e.g. another alarm or a building management system for remote monitoring

### Probe options for different fluid use

Option with 5m fuel probe or without for use with other fluids (select other fluid probe from page 105).



Single

CHANNEL

Mains/  
Battery

POWER

### Using the single channel alarm as a remote warning device

The mains powered versions of this alarm come with a relay so you can connect it to a single relay on another alarm as a remote warning device.



The second alarm can be positioned 100m away from the other, e.g. inside the office, so that you don't have to be in sight/ear shot to be alerted.

The two alarms will act independently from one another so that if one of them is muted, the other will continue to sound until it is muted or the channel is inactivated e.g. the problem is solved.

Code	Description	Power	Probe	Relay	Channel	Fluids
SWS2002	Mains Single Channel Tank Alarm c/w Probe	230v	✓	✓	Single - High or Low or Bund	D 0 H&G
SWS2003	Mains Single Channel Tank Alarm Battery Back-up c/w Probe	230v	✓	✓	Single - High or Low or Bund	D 0 H&G
SWS2004	Mains Single Channel Tank Alarm Only	230v		✓	Single - High or Low or Bund	AF
SWS2007	Mains Single Channel Tank Alarm Battery Back-up Only	230v		✓	Single - High or Low or Bund	AF
SWS1111	Alarm Cable Per Metre for Remote Installation					AF

**ANY FLUID**

## Economy Tank Level Alarm

- › An economical, entry level tank alarm solution if only one level alert is required
- › Can be used to indicate that the tank level has reached either a high or low state depending upon requirements
- › Battery powered for use on portable installations or sites where mains power is inaccessible
- › Flashing red LED & 90db alarm will sound to alert the user that the set level has been reached
- › Test & alarm mute functions to silence sounder when issue has been acknowledged
- › Weatherproof IP55 enclosure with 4 external mounting lugs
- › Simple operation means battery will last in excess of 72 hours in full alarm mode, making it ideal for sites not always manned
- › Version available with 5m diesel/oil probe and version without for use with other fluids (**select other fluid probe from page 3**)
- › c/w 3 cut to size stickers to name the LED – 2 labelled high & low and 1 blank to name it something else with permanent marker

**Single**

ZONES

**Battery**

POWER

See [page 3](#) for other fluid probes

RELATED PRODUCTS



Code	Description	Battery	Probe	Zones	Fluids
<b>SWS1024</b>	Economy Tank Level Alarm c/w Probe	1 x PP3	o	Single - High or Low	<b>D</b> <b>O</b>
<b>SWS1022</b>	Economy Tank Level Alarm Only	1 x PP3		Single - High or Low	<b>AF</b>



## Economy Double Wall Leak Alarm

- › An economical, entry level tank alarm c/w 5m single probe to alert of presence of fluid in the bund/double wall
- › Simple & cost effective solution if only bund alert is required
- › Used to indicate either the inner tank leaking into the bund/double wall or excess rain water and debris that has built up
- › Battery powered for use on portable installations or sites where mains power is inaccessible
- › Flashing red LED & 90db alarm will sound to alert the user to a problem
- › Test & alarm mute functions to silence sounder when issue has been acknowledged
- › Weatherproof IP55 enclosure with 4 external mounting lugs
- › Simple operation means battery will last in excess of 72 hours in full alarm mode, making it ideal for sites not always manned
- › Suitable for use with diesel and light oils

**Single**

ZONES

**Battery**

POWER

See [page 3](#) for other fluid probes

RELATED PRODUCTS



Code	Description	Battery	Probe	Zones	Fluids
<b>SWS1019</b>	Economy Bund/Double Wall Alarm	1 x PP3	o	Single - Bund	<b>D</b> <b>O</b>

# CTS Tank Alarms / Single Channel Alarms

PUMPS

FMS

METERS

HOSES

NOZZLES

ALARMS

GAUGES

FILTERS

FILL &amp; VENT

VALVES

FITTINGS

TOOLS



## Single

ZONES

## Battery

POWER

See [page 3](#) for other fluid probes

RELATED PRODUCTS



## AdBlue® Tank Alarm

- › An economical, entry level tank alarm solution c/w 5m probe for use on an AdBlue® tank
- › Overfill version to indicate that the tank has reached the set high level & bund version to indicate the presence of fluid in the bund/ double wall
- › Battery powered for use on portable installations or sites where mains power is inaccessible
- › Flashing red LED & 90db alarm will sound to alert the user to a problem
- › Test & alarm mute functions to silence sounder when issue has been acknowledged
- › Weatherproof IP55 enclosure with 4 external mounting lugs
- › Simple operation means battery will last in excess of 72 hours in full alarm mode, making it ideal for sites not always manned
- › c/w fittings to make it suitable for either plastic or steel tanks
- › High level alarm has an encapsulated probe, ensuring reliable cut off even when crystallised

Code	Description	Battery	Probe	Zones	Fluids
SWS3021	AdBlue® Bund/Double Wall Alarm c/w Probe	1 x PP3	0	Single - Bund	AB W C
SWS3022	AdBlue® High Level/Overfill Alarm c/w Probe	1 x PP3	0	Single - High	AB O



## Single

ZONES

## Battery

POWER

See [page 3](#) for other fluid probes

RELATED PRODUCTS



## ATEX Approved Tank Alarm

- › ATEX approved tank alarm for alerting of a high fluid level or fluid within the bund which may indicate a leak or rain water ingress
- › Battery powered for use on portable installations or sites where mains power is inaccessible
- › Flashing red LED & 95db alarm will sound to alert the user
- › Siren will sound continuously for 120 seconds followed by a periodic beep for 60 minutes
- › Alarm automatically cancels when the zone is deactivated
- › Test battery, test alarm & alarm cancel functions
- › IP65 metal enclosure
- › ATEX approved for Zone 1 II2G Ex ia IIB T4 Gb
- › Version with 5m probe for use with diesel, kerosene and JET A1 with maximum 9m cable
- › Version without probe for use with other fluids such as petrol using a third party ATEX probe with solid stem

Code	Description	Battery	Probe	Zones	Fluids
SWS2006	ATEX Tank Alarm c/w Probe	AAA	0	Single - High or Bund	D K J
SWS3020	ATEX Tank Alarm Only	AAA		Single - High or Bund	AF*

\*Depending upon compatability of third party probe used



ANY FLUID

## GSM Text Alerter

- › Designed for the remote monitoring of low or high level should the user wish to know when the tank needs filling/emptying
- › The unit allows 4 trigger inputs to be set, which upon activation send a text to alert the user of the tank level
- › A customised 30 character SMS can be sent to up to 8 mobile phones e.g. "Back yard fuel tank - low"
- › Can detect a sudden drop in fuel if half full and low level texts are received in short succession indicating a potential theft or leak
- › Weatherproof IP55 rated enclosure
- › Version with diesel/oil probe and version without probes for connecting to another device such as a fuel tank alarm or for use with other fluids **(select other fluid probe from page 3)**
- › **Please note: A mobile phone & GSM SIM card are required to program and use the unit**

Multi

ZONES

Mains

POWER

See [page 3](#) for other fluid probes

RELATED PRODUCTS



Code	Description	V	Probe	Zones	Fluids
CTS6000	GSM Text Alerter c/w Double Probe	110-230	o	Double - High/Low	D O
CTS6001	GSM Text Alerter Box Only	110-230		Double - High/Low	AF

ANY FLUID

## Apollo Smart Tank Gauge

- › Easy to retrofit, ultrasonic tank contents gauge originally designed for domestic heating oil tanks but suitable for use with many
- › Transmitter fits on top of the tank & the receiver plugs into a wall socket via a transformer to conveniently display the tank level
- › Receiver has a digital display litre & bar graph reading – 10% tank height per bar
- › Transmitter has a local bar graph display for monitoring the tank reading locally as well as remotely
- › Audible low level alarm & anti-theft alarm which sounds if the fluid level drops suddenly
- › Monitors fluid consumption levels in litres & cost by day, week, month or year & the number of days you have until tank is empty
- › Provides room temperature reading & CO2 emission data
- › Transmitter to receiver range is 150m depending on obstacles
- › Receiver: 150-250v, 50/60Hz
- › Transmitter: 3v lithium battery (approx. 10 years)



Bar/Litres

READING

Two Part

TYPE



Code	Description	Reading Type	Tank Height (mm)	Local Display	Remote Display	Tank Fitting	Working Temp	Fluids
APUOLSMART	Apollo Smart Gauge	Bar Graph & Litres	500-3000	o	o	32mm	-10°C/+60°C	AF

# Centre Tank Services Ltd / Ordering & Delivery

## ORDERING

Orders can be placed with our sales team up until 5:30pm Monday to Thursday and 5:00pm Friday, with next day delivery for off the shelf items available up until these times. We have made sure that ordering is as easy as possible with the multiple options available to you:



### By Telephone

Orders can be placed over the phone with our experienced sales team on +44 (0) 121 351 4445



### By Fax

Orders can be received by fax through to our Freefax line 0800 085 2984, or +44 (0) 121 351 4442



### By Email

Email your order to our sales team at sales@centretank.com for quick and easy order placement



### Online

You can place orders on our website [www.centretank.com](http://www.centretank.com) by entering your account number at the checkout

## DELIVERY & COLLECTIONS

Please refer to our shipping table for an easy guide to what carriage services are available to you. If you are in the area, let us know in advance and we will have your goods ready for collection from our trade counter. Our trade counter opening hours are 8:00am-5:30pm Monday to Thursday and 8:00am-5:00pm Friday.

Carriage Type	UK Mainland (exc. Highlands & Isles)	Highlands & Offshore Islands	Northern Ireland	Southern Ireland	Europe	Rest of World
Next Day - Up to 5.30pm	£16.50 (£21 under £20 Net)		£18.50 (£21 under £20 Net)			
Next Day - Before 12.00pm	£20.00					
Next Day - Before 10.30am	£24.00					
2-3 Day - Up to 5.30pm	£10.50 (FOC Over £350 Net / £16.50 under £20 Net)	£15.50 (2 Day Highlands) (2-5 Day Scottish Islands)	£11.95 (FOC Over £500 Net / £16.50 under £20 Net)	£14.95	P.O.A (Zone A*)	
3-6 Day - Up to 5.30pm					P.O.A (Zone B**)	
Saturday - Up to 12.30pm	£29.50					
Post (3-4 Day)	£7.50 (Up to £10 Value)	£7.50 (Up to £10 Value)	£7.50 (Up to £10 Value)	£7.50 (Up to £10 Value)		
Contact Us						P.O.A

\* Zone A - Austria, Belgium, Denmark, France (Inc Monaco), Germany, Liechtenstein, Luxembourg, Netherlands, Switzerland

\*\* Zone B - Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Finland, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden

## ALSO IN OUR PRODUCT RANGE

### Fluid & fuel dispensing products:

- ✔ Simple hand pumps & electric fuel dispensers
- ✔ Automatic & manual refuelling nozzles
- ✔ Flow meters, filters & delivery hoses



### Storage tank accessories:

- ✔ Tank gauges & level alarms
- ✔ Fill point caps & vent equipment
- ✔ Valves & fittings



### Oil heating equipment:

- ✔ Fire valves & brass fittings
- ✔ Oil tank level gauges
- ✔ Heating oil lines & meters



### AdBlue® Handling

- ✔ Transfer pumps for drums, IBCs & tanks
- ✔ Automatic & manual refuelling nozzles
- ✔ Gauges, flow meters & delivery hoses



## PLEASE CONTACT US FOR MORE INFORMATION

We are happy to help....

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